

DERWENT-ACC-NO: 1997-055409

DERWENT-WEEK: 199706

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TITLE: Vibration prevention structure for
support structure for improved damping effect - comprises
soft plate of di:cyclopentadiene resin and rubber
polymer, for specified storage modulus of
elasticity, for concrete building earthquake protection

PATENT-ASSIGNEE: BRIDGESTONE KK[BRID]

PRIORITY-DATA: 1987JP-0084432 (April 6, 1987)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
JP 2570340 B2		January 8, 1997	N/A
013	E04B 001/36		
JP 01048951 A		February 23, 1989	N/A
000	E04B 001/36		

APPLICATION-DATA:

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JP 2570340B2	N/A	
1987JP-0303481	December 1, 1987	
JP 2570340B2	Previous Publ.	JP 1048951
N/A		
JP 01048951A	N/A	
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INT-CL (IPC): C08L021/00, C08L045/00 , E04B001/36 ,
E04H009/02 ,
F16F001/44

ABSTRACTED-PUB-NO: JP 2570340B

BASIC-ABSTRACT:

The vibration prevention structure (20) is bonded alternately to a rigid hard plate (12) and a viscoelastic soft plate (11) where: (i) the soft plate comprises a blended and cured polymer of cyclopentadiene resin and/or dicyclopentadiene resin and/or dicyclopentadiene resin with rubber; and (ii) $E(-10)/E(30)$ is 1.0-3.0, where $E(-10)$ = storage modulus of elasticity at 0.2-0.75 Hz and at -10 deg. C at 0.0% deformation; and $E(30)$ = storage modulus of elasticity at 30 deg. C at 100% extension deformation.

USE - Used as a support structure for concrete buildings for earthquake protection.

ADVANTAGE - Improved damping effect is obtd. for reduced building shaking, preventing fixture destruction.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: VIBRATION PREVENT STRUCTURE SUPPORT STRUCTURE
IMPROVE DAMP EFFECT

COMPRISE SOFT PLATE DI CYCLOPENTADIENE RESIN
RUBBER POLYMER
SPECIFIED STORAGE MODULUS ELASTIC CONCRETE
BUILD EARTHQUAKE PROTECT

DERWENT-CLASS: A93 Q43 Q46 Q63

CPI-CODES: A04-B; A07-A02A; A11-C02; A12-H09; A12-R01;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; R01353 G0917 G0817 D01 D02 D14 D13 D31 D51 D54
D56 D59 D75

D85 ; H0000 ; H0011*R ; M9999 M2073

Polymer Index [1.2]

018 ; R00416 G0917 G0817 D01 D02 D05 D07 D17 D13 D33
D51 D54 D57

D59 D78 D90 ; H0000 ; H0011*R ; M9999 M2073

Polymer Index [1.3]

018 ; H0124*R ; M9999 M2073

Polymer Index [1.4]

018 ; ND01 ; Q9999 Q7954 Q7885 ; B9999 B3827 B3747 ;
B9999 B3930*R
B3838 B3747 ; B9999 B3963*R B3930 B3838 B3747 ; K9676*R
; K9483*R
; K9745*R ; Q9999 Q6826*R

SECONDARY-ACC-NO:

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Non-CPI Secondary Accession Numbers: N1997-045318